

## Storm Data and Unusual Weather Phenomena - March 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>UNION COUNTY --- 2.0 WSW JONESBORO [37.44, -89.30], 1.0 NW JONESBORO [37.46, -89.28]</b>				
	03/01/07 10:45 CST		0.10M	Tornado (EF0, L: 1.80 mi , W: 150 yd)
	03/01/07 10:47 CST		0	Source: NWS Storm Survey

The tornado damage path began along a country road, then continued northeast over mostly open land for about one-half to three-quarters of a mile. The path then tracked along or nearly parallel to the same road until reaching the intersection of Highway 146. Several witnesses in the area observed a dark funnel bouncing up and down from the storm to the ground. Many trees were either uprooted or topped. One tree that landed on a house caused heavy damage and trapped a resident inside. The resident was freed from the home uninjured. About 15 to 20 homes received light to moderate roof damage. Several articles of debris were lodged from 20 to 50 feet up in the trees. There was some evidence of convergent damage based on how trees were blown down. Given the rapid storm speed of 50 to 60 MPH, all of the damage occurred in about two minutes. Peak winds were estimated near 75 MPH, resulting in a rating of EF (Enhanced Fujita) 0.

**A strong dry line or cold front moved rapidly east across the Mid-Mississippi and Lower Ohio Valleys during the midday hours. This feature trailed from a strong low pressure system that tracked from Kansas to Iowa. In advance of the front, numerous showers and thunderstorms developed. A particularly strong storm crossed the Mississippi River just north of Cairo and produced a brief tornado in Union County.**

### **KENTUCKY, Southwest**

<b>TODD COUNTY --- 0.5 NW ELKTON [36.83, -87.16], 0.5 NNW ELKTON [36.83, -87.15]</b>				
	03/01/07 14:20 CST		35K	Tornado (EF1, L: 0.20 mi , W: 30 yd)
	03/01/07 14:21 CST		0	Source: NWS Storm Survey

This small tornado occurred in a neighborhood on the northwest side of Elkton. The roof was blown off a single wide mobile home. A metal roof was partially torn off a storage building. Half of the roof was blown off a site-built home. A chain link fence and a few trees were damaged. A pine tree was stripped of limbs. There was an eyewitness to the event. The tornado was rated an EF (Enhanced Fujita) 1 with peak winds of 88 MPH.

**A strong dry line or cold front moved rapidly east across the Mid-Mississippi and Lower Ohio Valleys during the midday hours. This feature trailed from a strong low pressure system that tracked from Kansas to Iowa. In advance of the front, numerous showers and thunderstorms developed. Several of these storms produced large hail, and there was a brief tornado.**

## Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MISSOURI, Southeast</b>				
<b>STODDARD COUNTY --- 5.0 SE DEXTER [36.75, -89.89], 2.0 S ESSEX [36.79, -89.85]</b>				
	05/03/07 15:28 CST		0	Tornado (EF0, L: 3.54 mi , W: 30 yd)
	05/03/07 15:36 CST		0	Source: Storm Chaser

The tornado was videotaped and photographed over open farm country. Accounts from witnesses indicated the tornado touched down at least twice for two to three minutes at a time. Although a debris cloud was visible in photos, no damage of any kind was found on the nearly treeless landscape. The tornado first touched down near Highway D several miles east of its intersection with Highway 25. The tornado lifted a couple miles south of Essex.

**An isolated severe thunderstorm developed along a warm front that extended from west to east across southeast Missouri.**

Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

Storm Data and Unusual Weather Phenomena - May 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

*The tornado was clearly visible over open farm country. Photo courtesy of Wes Rodgers.*

## Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				

### EDWARDS COUNTY --- 2.0 NE WEST SALEM [38.54, -87.99], 2.1 NE WEST SALEM [38.54, -87.99]

10/18/07 18:15 CST	0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
10/18/07 18:16 CST	0	Source: Trained Spotter

A funnel cloud was observed for a 20 to 30 minute period by numerous law enforcement personnel and at least one trained spotter. The trained spotter reported an apparent brief touchdown. The event was witnessed mostly from nearby Wabash County at a distance of about 3 to 10 miles. No damage was located, possibly due to the sparsely populated farmland over which it occurred. Due to their distance from the funnel, eyewitnesses were not certain of the exact duration of the touchdown. This funnel cloud and tornado was produced by the same long-lived supercell that crossed the Rend Lake area of southern Jefferson and northern Franklin County.

The second severe weather outbreak of the day occurred as a cold front swept east across the Mississippi Valley. Scattered thunderstorms developed along and ahead of the front late in the afternoon. The storms organized into supercells and short lines during the evening.

## **KENTUCKY, Southwest**

### DAVIESS COUNTY --- 6.5 NE OWENSBORO [37.84, -87.04], 8.5 NE OWENSBORO [37.86, -87.01]

10/18/07 17:07 CST	50K	Tornado (EF1, L: 2.00 mi , W: 90 yd)
10/18/07 17:10 CST	0	Source: NWS Storm Survey

Numerous trees and a few structures were damaged. The average path width was 75 yards. Peak wind speeds were estimated at 95 mph.

### DAVIESS COUNTY --- 2.0 ENE THURSTON [37.81, -87.00], 0.5 ENE GATEWOOD [37.83, -86.86]

10/18/07 17:10 CST	50K	Tornado (EF2, L: 7.50 mi , W: 180 yd)
10/18/07 17:18 CST	0	Source: NWS Storm Survey

Numerous trees and a few structures were damaged. The tornado damage path continued into Hancock County. Peak winds were estimated near 130 mph where the EF-2 damage occurred between Spice Knob and Scythia. The average path width was 150 yards.

### DAVIESS COUNTY --- 2.5 SW GATEWOOD [37.80, -86.90], 2.3 SW GATEWOOD [37.81, -86.90]

10/18/07 17:15 CST	3K	Tornado (EF0, L: 0.20 mi , W: 20 yd)
10/18/07 17:16 CST	0	Source: NWS Storm Survey

Several trees were damaged. Peak wind speeds in this brief tornado were estimated at 65 mph.

### WEBSTER COUNTY --- 1.0 NE DIXON [37.53, -87.69], 1.0 SE SEBREE [37.59, -87.52]

10/18/07 18:09 CST	2.50M	Tornado (EF2, L: 10.19 mi , W: 300 yd)
10/18/07 18:25 CST	5	Source: NWS Storm Survey

Three residences were destroyed, and ten others were damaged. Four of the damaged residences were deemed uninhabitable. Six chicken houses were destroyed. A rehabilitation center for troubled young adults received about 2 million dollars in damage. Four persons were seriously injured, and a fifth person received minor injuries. One of the injuries occurred when the tornado picked up a vehicle and tossed it. The occupant of the vehicle was ejected. The other four injuries occurred at a modular home on Kentucky 494. The modular home was nearly obliterated, with debris blown across nearby fields. The home's steel frame was thrown about 300 feet. All four occupants were seriously injured, including broken vertebrae and a punctured lung. Numerous roads were blocked by downed trees. Peak winds were estimated at 135 mph. The average path width was 250 yards.

### CALDWELL COUNTY --- 1.0 E CRESWELL [37.27, -87.90], 2.5 NNE FRYER [37.30, -87.81]

10/18/07 18:16 CST	25K	Tornado (EF1, L: 5.20 mi , W: 100 yd)
10/18/07 18:23 CST	0	Source: NWS Storm Survey

Numerous trees were snapped or uprooted. Much of the damage path was in forest inaccessible by vehicle. No structures were known to be in the path of this tornado. Secondary roads were blocked by downed trees. The peak estimated wind speed was 90 mph. The damage path ended in the vicinity of the intersection of Highways 293 and 1592.

### CALDWELL COUNTY --- 1.2 W OTTER POND [37.03, -87.84], 3.6 ENE FRIENDSHIP [37.07, -87.69]

10/18/07 18:25 CST	0.25M	Tornado (EF2, L: 8.83 mi , W: 300 yd)
10/18/07 18:37 CST	0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Numerous trees were snapped or uprooted. Trees landed across roads. At least a half dozen small barns were destroyed. Several roofs were lifted and torn off houses. Major structural damage was reported to seven homes. Windows were broken in houses. Peak winds were estimated near 110 mph. The damage path ended very close to the boundary of the Pennyryle State Forest.				

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### MCLEAN COUNTY --- 4.2 W BEECH GROVE [37.62, -87.48], 0.6 NNE ELBA [37.66, -87.37]

10/18/07 18:32 CST	0.40M	Tornado (EF2, L: 6.62 mi , W: 360 yd)
10/18/07 18:44 CST	0	Source: NWS Storm Survey

Twelve to fifteen farm buildings were damaged. Six to eight barns were destroyed. One home received heavy damage. Three to four more houses received minor damage. A garage and several vehicles were destroyed. A pontoon boat loaded on a trailer was moved 15 to 20 feet. Numerous trees and power lines were down. The funnel was photographed by a resident of the Beech Grove area. Peak winds were estimated at 120 mph. The average path width was 300 yards. The tornado continued into Daviess County.

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### CHRISTIAN COUNTY --- 3.6 NW MACEDONIA [37.12, -87.72], 3.6 NNW MACEDONIA [37.13, -87.69]

10/18/07 18:40 CST	0.12M	Tornado (EF2, L: 1.40 mi , W: 300 yd)
10/18/07 18:42 CST	1	Source: NWS Storm Survey

A large area of trees was snapped and uprooted in the Pennyryle State Forest. Some of the trees were 50 to 60 feet tall. A clear path was seen through the forest. A mobile home was blown down a hill and smashed as the tornado crossed Highway 109. An occupant of the mobile home was briefly trapped and sustained lacerations and bruises. The road to the mobile home was blocked by numerous downed trees and trailer debris. Two other mobile homes were severely damaged. A barn were destroyed. Peak winds were estimated near 115 mph.

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### DAVIESS COUNTY --- 3.0 SW ST JOSEPH [37.67, -87.37], 5.0 SW OWENSBORO [37.72, -87.18]

10/18/07 18:44 CST	0.50M	Tornado (EF2, L: 10.64 mi , W: 360 yd)
10/18/07 19:05 CST	4	Source: NWS Storm Survey

The tornado crossed into Daviess County from Mclean County. Numerous structures were damaged or destroyed, mostly barns and outbuildings. Several residences were destroyed, and about two dozen others were damaged. Four persons were injured in the West Louisville area when their mobile home was destroyed. Their injuries were mostly minor, although a 4-year-old child was hospitalized in fair condition. The peak winds were estimated at 120 mph. The average path width was 300 yards.

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### HOPKINS COUNTY --- 4.3 SW ST CHARLES [37.14, -87.63], 3.1 SSW ST CHARLES [37.14, -87.59]

10/18/07 18:48 CST	0.15M	Tornado (EF2, L: 1.86 mi , W: 300 yd)
10/18/07 18:51 CST	1	Source: NWS Storm Survey

Numerous trees were snapped and uprooted as the tornado touched down. Three mobile homes were destroyed, including one with a bent frame. Debris from mobile homes was thrown several hundred yards. A resident of one of the mobile homes received a minor head injury when a tree fell into his residence. Another resident was briefly pinned under debris but was not injured. Rescue crews had difficulty reaching the scene due to trees across roads. Barns and one house were damaged. The damaged house suffered major roof damage, a destroyed porch, and siding damage. Numerous trees fell across roads and power lines. Peak winds were estimated near 120 mph.

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### TRIGG COUNTY --- 2.5 N CANTON [36.84, -87.95], 4.2 NE CANTON [36.84, -87.90]

10/18/07 18:56 CST	0.15M	Tornado (EF1, L: 3.00 mi , W: 75 yd)
10/18/07 19:00 CST	0	Source: NWS Storm Survey

Many large trees were downed. A boat dock was damaged by a falling tree. Part of a garage was damaged by a large tree limb. Part of a roof was blown off a house. The northeast corner of a tin roof garage was peeled back. One home sustained tree damage. Two cabins in Lake Barkley State Resort Park sustained roof damage. The state park was closed for most of the following day, mostly due to trees and power lines blocking access to the park. Peak winds were estimated up to 100 mph. The tornado occurred near the east shore of Lake Barkley.

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### HOPKINS COUNTY --- 0.5 W NORTONVILLE [37.20, -87.48], 1.5 NE NORTONVILLE [37.22, -87.45]

10/18/07 18:58 CST	80K	Tornado (EF1, L: 2.00 mi , W: 100 yd)
10/18/07 19:00 CST	0	Source: NWS Storm Survey

Wooden roofs were removed from two masonry buildings. One tree fell on a house. A gas station canopy was damaged. Power lines were downed due to fallen trees. Tops of trees were torn off, and some trees were uprooted. Peak winds were estimated near 95 mph.

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### CALLOWAY COUNTY --- 8.0 ESE MURRAY [36.58, -88.19], 1.5 N HAMLIN [36.62, -88.07]

10/18/07 19:07 CST	60K	Tornado (EF1, L: 7.23 mi , W: 180 yd)
10/18/07 19:17 CST	0	Source: NWS Storm Survey

Hundreds of trees were snapped and uprooted. One home received major roof damage, primarily from falling trees. Roads were blocked by downed trees. The average path width was 150 yards. Peak winds were estimated near 95 mph. The tornado path ended at the shore of Kentucky Lake.

## Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DAVIESS COUNTY --- 2.5 W OWENSBORO [37.77, -87.17], 5.0 NE OWENSBORO [37.82, -87.06]</b>				
	10/18/07 19:09 CST		11.50M	Tornado (EF3, L: 6.99 mi , W: 360 yd)
	10/18/07 19:20 CST	8	0	Source: NWS Storm Survey

About a dozen homes were destroyed, and close to 150 others were damaged. An additional 20 public or commercial buildings were destroyed or condemned. Damage to commercial and public buildings, including churches and schools, was estimated near 10.5 million dollars. Residential structures sustained about 1 million dollars in damage. Two historic churches suffered severe damage. The steeple of one church collapsed into the sanctuary. About 125 people were in the church at the time of the collapse, including 25 where the steeple fell into the sanctuary. They all moved to the basement 5 or 10 minutes before the storm hit, sparing anyone from death or serious injury. On the west side of Owensboro, a man was trapped in his overturned mobile home. He received only minor injuries. A motel was heavily damaged, with nearly the entire roof blown off. Several guests at the motel were treated for injuries, mostly abrasions from falling debris. Almost every building at Brescia University was damaged, mostly to the roofs. Windows were blown out of the science building. Elsewhere, a delivery truck was overturned. Piles of debris from collapsed garages, warehouses, and roofs lined downtown streets during the cleanup. Tobacco warehouses downtown were destroyed or heavily damaged. The most serious damage was in a 12 to 15 square block area in and near downtown. Nearly all city streets were reopened and nearly all power was restored within a few days after the tornado. Peak winds were estimated at 155 mph where the EF-3 damage occurred in downtown Owensboro. The damage path began just northeast of the Owensboro-Daviess County Airport, then curved northeast through the riverfront area of downtown Owensboro. The average path width was 300 yards.

<b>TRIGG COUNTY --- 2.5 SW LINTON [36.65, -87.93], 1.5 SW LINTON [36.66, -87.92]</b>				
	10/18/07 19:23 CST		0	Tornado (EF0, L: 1.00 mi , W: 50 yd)
	10/18/07 19:24 CST		0	Source: NWS Storm Survey

Several trees were uprooted. The tornado occurred just south of Pryor Bay on the west side of Lake Barkley. This location is in the Land Between The Lakes National Recreation Area, very close to the Tennessee state line. Peak winds were estimated near 80 mph.

<b>TRIGG COUNTY --- 3.6 NE LINTON [36.72, -87.85], 9.0 SE CADIZ [36.78, -87.71]</b>				
	10/18/07 19:32 CST		0.12M	Tornado (EF2, L: 9.28 mi , W: 200 yd)
	10/18/07 19:45 CST		0	Source: NWS Storm Survey

Numerous trees were uprooted and blown down. Metal debris was embedded in several trees. Two barns were destroyed. One large garage was destroyed. Debris from the garage was blown up to three quarters of a mile, and projectiles were embedded in the ground up to 200 yards away. Four power poles were snapped. Peak winds were estimated near 120 mph.

**The second and more significant severe weather outbreak of the day occurred as a cold front swept east across the Mississippi Valley. Scattered thunderstorms developed along and ahead of the front late in the afternoon. The storms organized into supercells and short lines during the evening. Over a dozen tornadoes occurred in western Kentucky.**

## Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

*Photo of the heavily damaged sanctuary of a downtown Owensboro church. The church steeple collapsed into the sanctuary shortly after the congregation was evacuated to the basement.*

## Storm Data and Unusual Weather Phenomena - January 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>UNION COUNTY --- 3.2 SSW WOLF LAKE [37.46, -89.46], 1.8 WNW WARE [37.46, -89.43]</b>				
	01/29/08 16:12 CST		10K	Tornado (EF1, L: 1.65 mi , W: 100 yd)
	01/29/08 16:13 CST		0	Source: NWS Storm Survey

The tornado crossed the Mississippi River from Cape Girardeau County, Missouri. During its short path in Union County, a large grain bin was blown onto a road. Numerous shingles were blown off a farm house. A couple of trees were uprooted. The average path width was 50 yards. Peak winds were estimated near 95 mph.

**A powerful cold front moved rapidly southeast across southern Illinois during the late afternoon hours. An organized line of severe thunderstorms developed along the front as it approached southern Illinois. Widespread damaging winds accompanied the line of storms. Temperatures fell about 30 degrees in less than one hour when the very strong cold front passed through.**

### INDIANA, Southwest

<b>POSEY COUNTY --- 2.5 WNW STEWARTSVILLE [38.19, -87.87], 2.5 NE STEWARTSVILLE [38.21, -87.80]</b>				
	01/29/08 17:07 CST	2	0.20M	Tornado (EF2, L: 4.16 mi , W: 100 yd)
	01/29/08 17:10 CST		0	Source: NWS Storm Survey

A mobile home was destroyed. Two occupants of the mobile home were killed. Numerous trees were uprooted. One barn was destroyed, along with some small sheds. Four barns, three houses, and one church were damaged. The damage was mostly to roofs. Peak winds were estimated near 120 mph. The average path width was estimated to be 80 yards. The tornado continued into extreme southern Gibson County.

Direct Fatalities: F83MH, F57MH

<b>GIBSON COUNTY --- 5.4 SSE CRAWLEYVILLE [38.21, -87.80], 2.5 W MOUNTS [38.23, -87.75]</b>				
	01/29/08 17:10 CST		50K	Tornado (EF2, L: 2.85 mi , W: 100 yd)
	01/29/08 17:11 CST		0	Source: NWS Storm Survey

The tornado entered southern Gibson County from northern Posey County. Damage consisted mostly of downed trees and a few damaged barns and sheds. Peak winds were estimated near 120 mph. The average path width was about 80 yards.

**A powerful cold front moved rapidly southeast across southwest Indiana during the late afternoon hours. An organized line of severe thunderstorms developed along the front as it approached southern Illinois, then swept east across southwest Indiana. Widespread damaging winds accompanied the line of storms. Temperatures fell about 30 degrees in less than one hour when the very strong cold front passed through.**

### MISSOURI, Southeast

<b>STODDARD COUNTY --- 1.8 SSE IDALIA [36.85, -89.84], 0.5 W BIRDS CORNER [36.90, -89.78]</b>				
	01/08/08 12:40 CST		0.25M	Tornado (EF1, L: 4.78 mi , W: 120 yd)
	01/08/08 12:45 CST		0	Source: NWS Storm Survey

One house was heavily damaged. The roof was partially torn off the house, and debris was thrown 100 to 200 yards. Three outbuildings and an equipment shed were destroyed. A trailer was thrown about 75 yards. Approximately ten power poles were snapped in half. Windows of vehicles were broken by debris. A few large trees were snapped. A pump house was blown into a propane tank, causing a propane leak. There were two eyewitness accounts of a funnel cloud. Peak winds were estimated at 110 mph. The average path width was about 100 yards.

**A strengthening warm front over far southern Illinois and western Kentucky became the focus for strong to locally severe thunderstorms. As this warm front moved slowly north, dew points in the upper 50's spread north from Tennessee. Instability was weak, but low-level wind shear was very favorable.**

<b>CAPE GIRARDEAU COUNTY --- 1.3 ENE ORIOLE [37.46, -89.51], 0.8 NNE MOCCASIN SPGS [37.46, -89.46]</b>				
	01/29/08 16:09 CST		75K	Tornado (EF1, L: 2.61 mi , W: 200 yd)
	01/29/08 16:12 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - January 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado touched down along Highway 177, where a hay barn was destroyed and one storage building sustained major damage. One house was damaged when it was struck by large portions of the hay barn. Another house sustained extensive shingle damage. Utility poles were snapped. A large 5000 gallon steel fuel tank converted for use as a culvert was moved. Witnesses within a few miles of the tornado reported a funnel cloud. Due to the hilly and wooded nature of the terrain, the observers may not have seen contact with the ground. The tornado crossed the Trail of Tears State Park, where numerous large trees were snapped or uprooted. Many of these trees were oak trees that were not in leaf during this mid-winter tornado. The downed trees in the park blocked in a couple of hikers. The average path width was about 150 yards. Peak winds were estimated near 95 mph. The tornado proceeded across the Mississippi River into Union County, Illinois.</p>				
<p>A powerful cold front moved rapidly southeast across southeast Missouri during the late afternoon hours. The temperature dropped 38 degrees between 4 and 8 P.M. in Cape Girardeau. An organized line of severe thunderstorms developed along the front as it crossed southeast Missouri. Widespread damaging winds accompanied the line of storms by the time they reached the Mississippi River.</p>				

## Storm Data and Unusual Weather Phenomena - February 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KENTUCKY, Southwest</b>				
<b>CALLOWAY COUNTY --- 1.8 NE POTTERTOWN [36.64, -88.16], 1.8 SSE FAXON [36.66, -88.14]</b>				
	02/05/08 18:25 CST		35K	Tornado (EF1, L: 1.43 mi , W: 150 yd)
	02/05/08 18:28 CST		0	Source: NWS Storm Survey
Peak winds were estimated around 95 mph. The average path width was 90 yards. One home received shingle damage. Two large windows were blown out of another home, with significant interior damage. Winds entered the attic, then blew out the interior ceilings. Sporadic tree damage was observed along the path length.				
<b>TRIGG COUNTY --- 2.8 SSW CANTON [36.76, -87.96], 2.8 S CANTON [36.76, -87.96]</b>				
	02/05/08 18:45 CST		8K	Tornado (EF1, L: 0.08 mi , W: 40 yd)
	02/05/08 18:46 CST		0	Source: NWS Storm Survey
Trees were uprooted and snapped during this very brief tornado. Peak winds were estimated from 85 to 90 mph.				
<b>TRIGG COUNTY --- 2.5 N MAPLE GROVE [36.81, -87.88], 1.8 SE CADIZ [36.85, -87.80]</b>				
	02/05/08 18:50 CST		60K	Tornado (EF1, L: 5.56 mi , W: 150 yd)
	02/05/08 19:00 CST		0	Source: NWS Storm Survey
Peak winds were estimated near 105 mph. The average path width was 120 yards. The roof was partially blown off of one home, shingle and minor damage occurred to other homes, trees were uprooted and snapped, and a barn was shifted slightly off its foundation.				
<b>CHRISTIAN COUNTY --- 4.3 WNW SINKING FORK [36.96, -87.65], 3.0 NE CROFTON [37.08, -87.44]</b>				
	02/05/08 19:09 CST		4.40M	Tornado (EF2, L: 14.06 mi , W: 275 yd)
	02/05/08 19:25 CST	2	0	Source: NWS Storm Survey
Twenty-seven homes were damaged and 17 were destroyed. A total of 19 garages, sheds, and barns were damaged or destroyed. Of the destroyed homes, at least five were mobile homes. The two injured persons transported themselves to local hospitals. The county was declared a federal major disaster area. Peak winds were estimated near 130 mph. The average path width was 225 yards.				
<b>MUHLENBERG COUNTY --- 4.0 SW GREENVILLE [37.16, -87.23], 2.0 N MARTWICK [37.36, -87.02]</b>				
	02/05/08 19:44 CST	3	21.30M	Tornado (EF3, L: 18.05 mi , W: 375 yd)
	02/05/08 20:01 CST	24	0	Source: NWS Storm Survey

Countywide, a total of 69 homes were destroyed and 203 were damaged. Of the 203 damaged homes, 56 sustained major damage. Most of the damage occurred in the communities of Greenville and Powderly, where 48 homes were destroyed and 32 sustained major damage (35 to 40 percent were mobile homes). The primary focus of attention was where the fatalities occurred at a mobile home park on U.S. Highway 62 near the Highway 189 bypass. In the Muhlenberg Industrial Park, a "spec" building was flattened and another building was heavily damaged. A half dozen businesses and churches were damaged, including a hotel and a car dealership. The Western Kentucky Parkway was closed near Central City due to trees blocking the road. A utility pole fell on a vehicle travelling on Kentucky 601. The tornado passed within a short distance southwest of a high school, where a basketball game was in progress at the time of the storm. A large portion of the gym roof was damaged, causing heavy water damage due to rainfall entering the building. The National Guard was activated to provide security for the area. The county was declared a federal major disaster area. The average path width was 325 yards. Peak winds were estimated near 160 mph.

Direct Fatalities: M69MH, F62MH, F40MH

**A deepening low pressure system moved northeast from Arkansas along a warm front that extended across southeast Missouri and southern Illinois. Surface dew points were in the upper 50's to lower 60's along and southeast of the warm front. A strong upper level trough over the western Plains produced a strong southwest flow of 60 to 80 knots at 500 mb. Winds at 850 mb were south to southwest around 40 knots.**

# Storm Data and Unusual Weather Phenomena - February 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Photo of a destroyed house in Central City (NWS photo).

## MISSOURI, Southeast

### RIPLEY COUNTY --- 0.1 SSW BURR [36.50, -90.98], 2.1 W NAYLOR [36.59, -90.64]

02/05/08 19:31 CST	80K	Tornado (EF1, L: 19.96 mi , W: 200 yd)
02/05/08 19:48 CST	0	Source: NWS Storm Survey

The tornado crossed into Ripley County from Randolph County, Arkansas. There was sporadic tree damage with tops snapped off or uprooted. Several outbuildings (mostly pole barns) were destroyed. Four to five older unattended mobile homes were damaged or destroyed. The last damage noted was an old barn knocked over just southeast of Oxly. The width ranged from 100 to 200 yards. The damage path was broken. Peak winds were estimated near 109 mph.

### BUTLER COUNTY --- 3.6 SW HARVIELL [36.63, -90.52], 2.0 SSE HARVIELL [36.64, -90.46]

02/05/08 20:03 CST	0.10M	Tornado (EF1, L: 3.38 mi , W: 300 yd)
02/05/08 20:09 CST	0	Source: NWS Storm Survey

Large trees, limbs, and power poles were snapped off. An old barn was blown over, and a newer barn lost part of its roof and a large door. There was some shingle damage to homes. A large tree was uprooted and fell against a residence. Tree limbs fell on a vehicle and through a bedroom window. Several grain bins were dented by wind-blown debris. One equipment shed was blown away. The average path width was 275 yards. Peak winds were estimated near 90 mph.

## Storm Data and Unusual Weather Phenomena - February 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BUTLER COUNTY --- 6.5 S FISK [36.69, -90.22], 6.0 E BROSELEY [36.69, -90.14]</b>				
	02/05/08 20:18 CST		0.15M	Tornado (EF2, L: 4.27 mi , W: 200 yd)
	02/05/08 20:24 CST		0	Source: NWS Storm Survey

The tornado touched down near the intersection of Highways FF and CC. Parts of roofs were ripped off of several houses. As it moved east, it threw tin silos more than 900 yards. One of the silos hit a house and likely played a role in destroying the house. The roof and most of the exterior walls were blown off the three bedroom brick house. The family survived in a closet near the back room of the house unhurt. At the same location, an abandoned mobile home was destroyed, and the metal frame was bent. Debris from this area was spread east about 1.5 miles. Peak estimated wind speeds were near 130 mph. The damage path continued into Stoddard County.

<b>STODDARD COUNTY --- 2.6 WNW SHOVER [36.70, -90.14], 3.4 N BERNIE [36.73, -89.97]</b>				
	02/05/08 20:24 CST		0.15M	Tornado (EF1, L: 9.63 mi , W: 100 yd)
	02/05/08 20:38 CST		0	Source: NWS Storm Survey

The tornado continued eastward from Butler County into western Stoddard County. As it moved through a wildlife refuge close to the county line, trees were damaged. Along County Road 670, a metal barn was destroyed and thrown several hundred yards into a field. A wagon was thrown approximately 150 yards. On County Road 651, a concrete silo was destroyed while an empty grain truck right next to the silo was not damaged. The tornado continued northeast and damaged mainly trees and 14 power poles before it lifted near Highway 25.

**A deepening low pressure system moved northeast from Arkansas along a warm front that extended across southeast Missouri and southern Illinois. Surface dew points were in the upper 50's to lower 60's along and southeast of the warm front. A strong upper level trough over the western Plains produced a strong southwest flow of 60 to 80 knots at 500 mb. Winds at 850 mb were south to southwest around 40 knots.**

Storm Data and Unusual Weather Phenomena - April 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KENTUCKY, Southwest				
GRAVES COUNTY --- 0.5 W FAIRBANKS [36.52, -88.56], 0.5 SE BELL CITY [36.52, -88.49]				
	04/04/08 00:20 CST		50K	Tornado (EF1, L: 3.65 mi , W: 170 yd)
	04/04/08 00:24 CST		0	Source: NWS Storm Survey

Between 100 and 200 trees were uprooted or snapped. Most of the downed trees were around Fairbanks. At Fairbanks, an old grocery store and mobile home were both deroofed. Near Bell City, about 30 percent of the roof on a large farm equipment building was blown off. Some siding was removed from another. The damage path was broken. The peak wind was estimated at 90 mph.

A warm front moved slowly north across western Kentucky during the afternoon. Large clusters of thunderstorms produced very heavy rain. A cold front moved southeast into the Lower Ohio Valley during the night, preceded by more thunderstorms. These storms produced a report of wind damage and a tornado. Rainfall for the 24-hour period ranged from 2 to 4 inches across most of western Kentucky, with isolated amounts of 4 to 7 inches. The isolated higher amounts were mostly from Madisonville to Marion.



Roofing was blown off a large farm equipment storage building.

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
JACKSON COUNTY --- 5.0 NNW MURPHYSBORO [37.84, -89.37], 2.5 WSW FINNEY [37.84, -89.36]				
	05/25/08 17:35 CST	0		Tornado (EF0, L: 0.21 mi , W: 20 yd)
	05/25/08 17:36 CST	0		Source: NWS Storm Survey

A weak tornado briefly touched down in a roadless area. No damage to trees could be located. The tornado touchdown was witnessed by two spotters and a deputy sheriff from about four to five miles away.

Most of the severe weather reports accompanied a supercell thunderstorm that formed along a warm front and tracked southeast across the Murphysboro and Carbondale areas. The supercell contained a rotating wall cloud that was captured on a television webcam in Carbondale for over an hour. A swath of large hail and strong winds accompanied the supercell from southwest Perry County across Jackson County.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>JEFFERSON COUNTY --- 5.0 E MT VERNON [38.32, -88.81], 5.2 E MT VERNON [38.32, -88.80]</b>				
	06/27/08 16:59 CST		5K	Tornado (EF0, L: 0.20 mi , W: 30 yd)
	06/27/08 17:00 CST		0	Source: Broadcast Media

The funnel cloud which was observed over Mount Vernon briefly touched down several miles east of town. Trained witnesses reported very pronounced rotation with the funnel cloud. The funnel was photographed at or very close to the ground, but trees obscured the possible touchdown point. There was minimal damage, with the exception of a downed power pole and a tree. Maximum wind speeds were estimated around 70 mph.

A squall line containing several embedded bow echo structures moved eastward across southern Illinois. These bow echoes moved east-northeast around 45 mph, producing swaths of wind damage and isolated large hail. These storms were associated with a 500 mb short wave trough moving east across the mid Mississippi Valley. Sufficient moisture and instability ahead of the line, coupled with strengthening winds aloft, supported forward propagation of the line into Indiana. On the evening prior to this outbreak, an isolated severe storm occurred over White County.



*This photo was taken about two miles east of downtown Mount Vernon, looking east toward the site of the touchdown.*

## MISSOURI, Southeast

**CARTER COUNTY --- 0.9 E GRANDIN [36.83, -90.81], 1.5 E GRANDIN [36.83, -90.80]**

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/13/08 14:55 CST		50K	Tornado (EF1, L: 0.62 mi , W: 125 yd)
	06/13/08 14:58 CST		0	Source: NWS Storm Survey

The tornado touched down near the Grandin City Park on the east side of Grandin. A few trees were blown down at the ball fields. The tornado continued east, affecting two residences along County Road 247 just east of town. One house sustained moderate shingle damage. A second house sustained major roof damage. A large barn was heavily damaged, with one wall and door blown off. Large sections of roof were missing. Numerous large trees were snapped or uprooted. Trees on the south side of the track were laying in a northwest direction. South to north striations were easily visible in tall field grass. Several eyewitnesses clearly indicated a funnel cloud touched down. The track end point was estimated due to the fact the damage path continued into woods and fields that were inaccessible by vehicle. Peak wind speeds were estimated at 90 mph. The average path width was 75 yards.

**An isolated tornado occurred in southern Carter County. The tornado was spawned by a supercell thunderstorm that formed late in the afternoon in a hot, humid, and very unstable atmosphere. A cold front approaching from the northwest helped initiate the afternoon and evening storms.**

## Storm Data and Unusual Weather Phenomena - March 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>JEFFERSON COUNTY --- 1.8 E TEXICO [38.43, -88.87], 0.2 S DIVIDE [38.45, -88.83]</b>				
	03/08/09 11:27 CST		60K	Tornado (EF1, L: 2.27 mi , W: 150 yd)
	03/08/09 11:30 CST		0	Source: NWS Storm Survey

The roof was partially blown off a school. At several properties, large and small equipment sheds were destroyed. Shingle and siding damage occurred at several homes. Trees were topped and uprooted. Carports were knocked over. Peak winds were estimated at 95 mph.

<b>JEFFERSON COUNTY --- 2.0 W STRATTON [38.45, -88.76], 1.1 E SHIELDS [38.47, -88.70]</b>				
	03/08/09 11:34 CST		12K	Tornado (EF0, L: 3.61 mi , W: 100 yd)
	03/08/09 11:38 CST		0	Source: NWS Storm Survey

Large tree limbs were broken. Four power poles were knocked over. Peak winds were estimated near 85 mph. The tornado continued into Wayne County.

<b>WAYNE COUNTY --- 3.3 SW ORCHARDVILLE [38.47, -88.70], 2.7 SW ORCHARDVILLE [38.48, -88.69]</b>				
	03/08/09 11:38 CST		80K	Tornado (EF0, L: 0.63 mi , W: 100 yd)
	03/08/09 11:39 CST		0	Source: NWS Storm Survey

The tornado continued from Jefferson County just a short distance into Wayne County. A grain bin was thrown about 100 yards. A storage bin was toppled. A farm auger was knocked over. Metal decking or shingles were stripped off barns. There was shingle and siding damage to homes. Peak winds were estimated near 85 mph.

<b>WAYNE COUNTY --- 5.0 NNE WAYNE CITY [38.42, -88.54], 5.0 NE CISNE [38.57, -88.36]</b>				
	03/08/09 11:42 CST		40K	Tornado (EF1, L: 14.44 mi , W: 50 yd)
	03/08/09 11:56 CST	1	0	Source: NWS Storm Survey

Intermittent damage was observed along the path of this tornado, which contained peak winds near 100 mph. Most of the damage was tree damage. Some trees were snapped and uprooted. Two structures were damaged, including a mobile home that was not tied down. The mobile home was rolled while a man was inside. He suffered broken ribs. The other damaged structure was a 40-by-60 foot storage shed. About one third of the shed was blown over a storage barn into a house, causing significant damage to the house. Debris was blown into a field across the street. A power pole was blown down. The tornado was witnessed about four miles north of Sims in the middle of a field. It was described as a black rotating cloud.

<b>WAYNE COUNTY --- 3.0 N ENTERPRISE [38.56, -88.35], 3.0 W WYNOOSE [38.60, -88.28]</b>				
	03/08/09 11:58 CST		90K	Tornado (EF2, L: 4.73 mi , W: 100 yd)
	03/08/09 12:03 CST		0	Source: NWS Storm Survey

Several structures were damaged. Half of the roof was blown off one house. A well-built storage barn was blown into another house. Debris was blown several hundred yards. Debris from a house impacted a second house 250 yards away. The second house had only minor structural damage. A large metal barn partially caved in when a small grain elevator blew onto it. Peak winds were estimated near 122 mph. The tornado crossed into Clay County.

**A strong 500 mb shortwave moved rapidly northeast from the Plains during the day. The shortwave became a closed low over the Great Lakes region by the evening hours. In the lower levels, a strong southwest 850 mb jet from 60 to 65 knots shifted east from the Ozarks across southern Illinois. These features provided sufficient shear and instability for a significant tornado.**

## KENTUCKY, Southwest

<b>WEBSTER COUNTY --- 4.0 SW DIXON [37.48, -87.75], 3.9 SW DIXON [37.48, -87.75]</b>				
	03/08/09 13:45 CST		40K	Tornado (EF1, L: 0.20 mi , W: 75 yd)
	03/08/09 13:46 CST		0	Source: NWS Storm Survey

Peak winds in this very brief tornado were estimated near 95 mph. Four outbuildings were destroyed. A garage and a camper were damaged.

**A strong 500 mb shortwave moved rapidly northeast from the Plains during the day. The shortwave became a closed low over the Great Lakes region by the evening hours. In the lower levels, a strong southwest 850 mb jet from 60 to 65 knots shifted east from the Ozarks across southern Illinois. These features provided sufficient shear and instability for a few severe weather events. A supercell that tracked east along the Western Kentucky Parkway was responsible for all of the severe weather events except the brief tornado in Webster County.**

<b>UNION COUNTY --- 0.7 NNW YUBA [37.58, -87.86], 2.3 NE YUBA [37.60, -87.82]</b>				
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## Storm Data and Unusual Weather Phenomena - March 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/28/09 15:23 CST		60K	Tornado (EF1, L: 2.15 mi , W: 75 yd)
	03/28/09 15:26 CST		0	Source: NWS Storm Survey

This was the first tornado spawned by a supercell storm that originated over Crittenden County. This was a relatively weak and short-lived tornado compared to the second. Two camper trailers were overturned, one 30-by-30 foot farm shed was destroyed, and several trees were down. Peak winds were estimated near 90 mph.

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### UNION COUNTY --- 2.0 ENE BOXVILLE [37.64, -87.80], 4.0 SE WAVERLY [37.68, -87.77]

03/28/09 15:40 CST	40K	Tornado (EF3, L: 3.03 mi , W: 400 yd)
03/28/09 15:44 CST	0	Source: NWS Storm Survey

The second tornado spawned by this supercell was stronger and longer lived. This second tornado formed along Highway 141 and moved northeast along the highway. Damage was spotty at the beginning of the damage path, where a small grain bin imploded. Further along the damage path, a 30-by-50 foot machinery shed was destroyed. The estimated maximum winds were near 140 mph as the tornado approached the Henderson County line. The tornado continued into Henderson County.

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### HENDERSON COUNTY --- 3.7 SSW KINGS MILLS [37.68, -87.77], 0.7 SSE HENDERSON ARPT [37.79, -87.67]

03/28/09 15:44 CST	0.50M	Tornado (EF3, L: 9.32 mi , W: 400 yd)
03/28/09 15:55 CST	2	Source: NWS Storm Survey

This tornado crossed into Henderson County from Union County. The tornado was near its maximum intensity of 140 mph near the county line. A Ford Ranger pickup truck was hurled about one quarter mile. Several other vehicles were overturned. Six homes were destroyed, ten received major damage, and sixty homes and buildings received minor damage. Much of the damage occurred in and near Corydon, especially along U.S. Highway 60. The hardest-hit buildings lost most walls and the roof. At least one grain bin was flattened. Hundreds of trees were snapped or uprooted. The average path width was about 300 yards. The tornado was photographed by an emergency management official. Due to the rain-wrapped nature of the tornado and the distance the photo was taken from, the tornado was not easily identifiable in the photo. The photographer was near where the tornado lifted or dissipated, less than a mile from the Henderson County airport. However, the tornado was still some distance away at the time of the photo.

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### DAVIESS COUNTY --- 7.0 SE OWENSBORO [37.70, -87.03], 7.2 SE OWENSBORO [37.70, -87.03]

03/28/09 16:38 CST	0	Tornado (EF0, L: 0.20 mi , W: 30 yd)
03/28/09 16:39 CST	0	Source: Trained Spotter

A small rope tornado was observed by trained spotters. The tornado was seen occasionally lifting off the ground. No damage was located, possibly because it was located over fields. Maximum winds were likely around 65 mph.

**A strong low pressure center moved northeast from Oklahoma into south central Missouri by late afternoon, with a warm front extending east from the low across western Kentucky. The warm front served as a focusing mechanism for some of the ingredients needed for tornadogenesis.**

Storm Data and Unusual Weather Phenomena - March 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

## Storm Data and Unusual Weather Phenomena - March 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

*Photo of a Ford Ranger pickup truck that was blown one-quarter mile and found upside-down underneath tree debris. This photo was taken just inside Henderson County, less than a mile from the Union County line. NWS photo.*

### MISSOURI, Southeast

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#### BOLLINGER COUNTY --- 1.2 W LEOPOLD [37.25, -89.95], 3.1 SE LAFLIN [37.25, -89.86]

03/08/09 11:15 CST	60K	Tornado (EF1, L: 4.87 mi , W: 70 yd)
03/08/09 11:24 CST	0	Source: NWS Storm Survey

Several houses received major shingle damage. A barn was destroyed. Two-by-fours were driven through the exterior wall of a well-built home. A garage wall was blown out. A few other barns sustained significant structural damage. The damage path was not continuous. Peak winds were estimated near 85 mph. The tornado continued into Cape Girardeau County.

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#### CAPE GIRARDEAU COUNTY --- 3.0 SW CRUMP [37.25, -89.86], 2.1 WNW WHITEWATER [37.24, -89.83]

03/08/09 11:24 CST	70K	Tornado (EF1, L: 1.61 mi , W: 70 yd)
03/08/09 11:27 CST	0	Source: NWS Storm Survey

The tornado entered Cape Girardeau County from Bollinger County. Almost all the shingles were blown off a house. Two barns were destroyed. The debris landed on a car and truck. The doors were blown out of a third barn. A carport was damaged. Steel siding was driven into trees. Trees were snapped. Peak winds were estimated near 80 mph.

**A strong 500 mb shortwave moved rapidly northeast from the Plains during the day. The shortwave became a closed low over the Great Lakes region by the evening hours. In the lower levels, a strong southwest 850 mb jet from 60 to 65 knots shifted east from the Ozarks across southern Illinois. These features provided sufficient shear and instability for a round of severe weather.**

## Storm Data and Unusual Weather Phenomena - April 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KENTUCKY, Southwest</b>				
<b>CALLOWAY COUNTY --- 2.8 W ALMO [36.71, -88.32], 2.8 WNW ALMO [36.71, -88.32]</b>				
	04/10/09 10:16 CST		0.20M	Tornado (EF0, L: 0.26 mi , W: 75 yd)
	04/10/09 10:18 CST		0	Source: NWS Storm Survey
Shingles and siding were blown off several homes. There was light structural damage. Several storage buildings were destroyed. Dozens of trees were uprooted or snapped. At least two witnesses reported seeing a funnel cloud briefly dip to the ground and lift back up. Peak winds were estimated near 85 mph.				
<b>LYON COUNTY --- 4.3 NNW SARATOGA [37.11, -88.03], 4.5 NNW SARATOGA [37.11, -88.03]</b>				
	04/10/09 10:45 CST		70K	Tornado (EF1, L: 0.34 mi , W: 50 yd)
	04/10/09 10:46 CST	1	0	Source: NWS Storm Survey
This short-lived tornado began on the north side of exit 4 of the Western Kentucky Parkway. The tornado path stayed along the north side of U.S. Highway 62. The end wall of a commercial building was blown out. A mobile home was overturned. Another mobile home was unroofed. Two vehicles were damaged. Several trees and power lines were down. Two eyewitnesses observed the tornado from the south side of exit 4. One person was slightly injured when a glass window was blown out of his mobile home. He refused treatment for his hand injury. Peak winds were estimated near 90 mph.				
<b>CHRISTIAN COUNTY --- 1.4 WSW POD [37.07, -87.55], 0.3 NE POD [37.08, -87.53]</b>				
	04/10/09 10:47 CST		14K	Tornado (EF0, L: 1.60 mi , W: 50 yd)
	04/10/09 10:49 CST		0	Source: NWS Storm Survey
This was the first tornado spawned by a supercell that tracked across northern Christian County. A few trees or tree limbs were down, along with a de-roofed farm shed. The porch roof of a house was damaged. Tin was peeled from a barn. Peak winds were near 75 mph.				
<b>CHRISTIAN COUNTY --- 0.9 SW MANNINGTON [37.12, -87.49], 0.3 SSE MANNINGTON [37.13, -87.48]</b>				
	04/10/09 10:54 CST		0.15M	Tornado (EF3, L: 0.78 mi , W: 75 yd)
	04/10/09 10:56 CST	2	0	Source: NWS Storm Survey
This was the second and more intense of the tornadoes spawned by a supercell that tracked across Christian County. Near Mannington, a garage was destroyed, and a house was levelled. The main debris pile from the house was about 50 feet away. The 2,500 square-foot house was poorly anchored to the foundation. Two persons in the house were injured. One of the victims was thrown about 70 feet and suffered a broken pelvis. Footage of the tornado was taken by witnesses along the Pennyrile Parkway and shown on a local media outlet. Peak winds were estimated near 140 mph. The tornado tracked a short distance into Hopkins County before lifting.				
<b>HOPKINS COUNTY --- 1.7 SSW ROMNEY [37.13, -87.48], 1.4 SSE ROMNEY [37.13, -87.46]</b>				
	04/10/09 10:56 CST		2K	Tornado (EF1, L: 1.24 mi , W: 50 yd)
	04/10/09 10:57 CST		0	Source: NWS Storm Survey
The tornado continued into Hopkins County from Christian County for about a mile. The tornado deposited insulation in tree tops from a house in Christian County. Little additional damage occurred after crossing the county line.				
<b>A strong low pressure system tracked east to the Lower Ohio Valley, with a trailing cold front sweeping east across western Kentucky. Storms developed and increased along the advancing cold front as they moved into increasingly unstable air. Very strong low level wind shear was favorable for tornadoes. The storms became increasingly organized, with line segments and supercells moving at over 45 mph.</b>				
<b>GRAVES COUNTY --- 0.9 NE BOYDSVILLE [36.51, -88.49], 0.9 NE BOYDSVILLE [36.51, -88.49]</b>				
	04/30/09 18:11 CST		1K	Tornado (EF0, L: 0.05 mi , W: 40 yd)
	04/30/09 18:12 CST		0	Source: NWS Storm Survey
A brief EF0 tornado touchdown occurred about 2.5 miles south of Bell City, near the intersection of Highway 97 and Highway 1270. The actual touchdown was 0.2 miles east of Highway 97 on Highway 1270. Minor tree damage occurred. Peak winds were estimated near 75 mph.				
<b>CALLOWAY COUNTY --- 2.0 SE ALMO [36.68, -88.24], 1.0 WNW SHILOH [36.69, -88.24]</b>				
	04/30/09 18:44 CST		3K	Tornado (EF0, L: 0.73 mi , W: 40 yd)
	04/30/09 18:45 CST		0	Source: NWS Storm Survey
An EF0 tornado touched down along Highway 464 near Almo and travelled to the northeast before lifting. Several trees and limbs were downed. One large oak tree was uprooted. Minor damage was done to siding on a home. There was one eyewitness to the tornado. Peak winds were estimated near 80 mph.				

Storm Data and Unusual Weather Phenomena - April 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Scattered thunderstorms increased along an axis from central Arkansas into southeast Missouri and southern Illinois, then moved east across western Kentucky. These storms moved through a region of marginal instability, but deep-layer vertical wind shear was sufficient for isolated severe storms. The complex of storms contained very heavy rainfall that resulted in localized flash flooding.

## Storm Data and Unusual Weather Phenomena - May 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>JACKSON COUNTY --- 2.0 E SATO [37.90, -89.39], 2.0 NNW VERGENNES [37.93, -89.34]</b>				
	05/08/09 10:30 CST		80K	Tornado (EF1, L: 3.11 mi , W: 100 yd)
	05/08/09 10:34 CST		0	Source: NWS Storm Survey

Dozens of large trees were snapped or uprooted. Structural damage occurred to two barns, mainly in the form of roof damage. Power poles were blown over, and one pole snapped. Houses received minor shingle damage. Peak winds were estimated near 95 mph.

<b>JACKSON COUNTY --- 1.4 SSW RADDLE [37.75, -89.59], 1.1 SSW RADDLE [37.76, -89.59]</b>				
	05/08/09 10:32 CST		0	Tornado (EF0, L: 0.36 mi , W: 30 yd)
	05/08/09 10:33 CST		0	Source: Law Enforcement

The reported tornado briefly touched down in a field and caused no known damage.

<b>JACKSON COUNTY --- 4.0 S ELKVILLE [37.84, -89.23], 0.5 SSE WARD [37.84, -89.23]</b>				
	05/08/09 12:12 CST		10K	Tornado (EF0, L: 0.14 mi , W: 40 yd)
	05/08/09 12:13 CST		0	Source: Newspaper

Damage was reported at a coal company, where an office trailer was blown off its foundation. There were several eyewitness accounts of a tornado. Peak winds were estimated near 70 mph.

<b>FRANKLIN COUNTY --- 1.5 N ROYALTON [37.89, -89.12], 1.7 N ROYALTON [37.89, -89.12]</b>				
	05/08/09 12:18 CST		0	Tornado (EF0, L: 0.29 mi , W: 40 yd)
	05/08/09 12:19 CST		0	Source: Emergency Manager

This brief tornado was photographed by emergency management personnel. Leaves were observed in the rotation. No damage was located.

<b>FRANKLIN COUNTY --- 1.7 SSW THOMPSONVILLE [37.90, -88.78], 2.4 NNW KEGLEY [37.86, -88.76]</b>				
	05/08/09 12:45 CST		0	Tornado (EF1, L: 2.41 mi , W: 150 yd)
	05/08/09 12:48 CST		0	Source: NWS Storm Survey

The tornado resulted in a swath of downed trees in rural areas. Peak winds were estimated near 90 mph. The tornado path continued into Williamson County.

<b>WILLIAMSON COUNTY --- 3.2 NNE CORINTH [37.86, -88.76], 2.6 E CORINTH [37.83, -88.73]</b>				
	05/08/09 12:48 CST		0	Tornado (EF1, L: 3.10 mi , W: 150 yd)
	05/08/09 12:51 CST		0	Source: NWS Storm Survey

The tornado continued into Williamson County from Franklin County. There was a swath of downed trees in rural areas. Peak winds around 90 mph occurred in the Franklin County portion of the track.

**A mature, very intense derecho moved rapidly east along a stationary front across the Mid Mississippi Valley into the Lower Ohio Valley. With a very moist and unstable atmosphere, along with strongly veering winds aloft, embedded tornadic supercells were associated with the derecho. Widespread damaging winds were the primary impact. Nearly all the damage in southern Illinois was associated with the comma head at the northern end of the bow echo. Winds were measured slightly over 100 mph under the comma head as it passed through the Carbondale area. In addition to damaging winds, the slow-moving storm complex dumped very heavy rain that flooded roads.**

## INDIANA, Southwest

<b>GIBSON COUNTY --- HAUBSTADT [38.20, -87.57], 2.0 E BUCKSKIN [38.23, -87.38]</b>				
	05/14/09 02:25 CST		0.30M	Tornado (EF2, L: 10.35 mi , W: 125 yd)
	05/14/09 02:39 CST		0	Source: NWS Storm Survey

Maximum winds were estimated near 120 mph at the beginning of the damage path. The most significant damage occurred on a farm on the north side of the Haubstadt Raceway. A 50-foot grain bin was moved off its foundation and destroyed, several large machinery buildings sustained partial losses of roofs and walls, and a race car frame on blocks was moved about 100 feet. Damage intensity decreased eastward along the path. Elsewhere along the path, a barn lost its roof, and several homes received roof damage.

Storm Data and Unusual Weather Phenomena - May 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A line of severe thunderstorms moved slowly southeast through the early morning hours. These storms moved through a very moist and unstable atmosphere. A small-scale bow echo produced a significant tornado.				

MISSOURI, Southeast

PERRY COUNTY --- 2.2 W MC BRIDE [37.83, -89.87], MC BRIDE [37.83, -89.83]				
	05/08/09 10:20 CST		7K	Tornado (EF0, L: 2.20 mi , W: 50 yd)
	05/08/09 10:23 CST		0	Source: NWS Storm Survey

The tornado was videotaped by a person at the Perryville airport and shown on local media outlets. The path was visible in a wheat field along County Road 934. Dozens of trees were down near the path, apparently due to inflow winds. Eyewitness accounts of the tornado were obtained. Peak winds were estimated near 65 mph.

A mature, very intense derecho moved rapidly east along a stationary front across the Mid Mississippi Valley into the Lower Ohio Valley. With a very moist and unstable atmosphere, along with strongly veering winds aloft, embedded tornadic supercells were associated with the derecho. Widespread damaging winds were the primary impact. The bowing portion of the system caused extensive damage from the Poplar Bluff area west. The comma head at the northern end of the bow caused locally catastrophic damage along and north of a Marble Hill to Jackson line. Winds were estimated slightly over 100 mph there.

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, South</b>				
<b>PERRY COUNTY --- 2.7 NW SUNFIELD [38.10, -89.26], 2.5 NW SUNFIELD [38.10, -89.26]</b>				
	06/08/09 18:42 CST		4K	Tornado (EF0, L: 0.44 mi , W: 100 yd)
	06/08/09 18:43 CST		0	Source: NWS Storm Survey

A small shed was overturned. Several trees and limbs were downed. Peak winds were estimated near 70 mph in this small tornado.

<b>PERRY COUNTY --- 3.0 E DU QUOIN [38.02, -89.17], 1.4 ENE OLD DUQUOIN [37.98, -89.16]</b>				
	06/08/09 19:00 CST		20K	Tornado (EF1, L: 3.23 mi , W: 300 yd)
	06/08/09 19:08 CST		0	Source: NWS Storm Survey

This tornado downed hundreds of trees over rural Perry County. The tornado was embedded within an area of widespread straight-line wind damage. Peak winds were estimated near 95 mph close to the Franklin County border along Route 14. The average path width was about 200 yards. The tornado continued into western Franklin County.

<b>FRANKLIN COUNTY --- 2.0 WNW MULKEYTOWN [37.98, -89.16], 1.3 SW MULKEYTOWN [37.96, -89.14]</b>				
	06/08/09 19:08 CST		6K	Tornado (EF1, L: 1.59 mi , W: 100 yd)
	06/08/09 19:12 CST		0	Source: NWS Storm Survey

The tornado continued into Franklin County from Perry County. Many trees were blown down. The tornado was embedded within a much broader area of straight-line wind damage to trees. Peak winds were estimated near 85 mph in this portion of the track.

**Thunderstorms rapidly developed along a surface frontal boundary from central Illinois into southern Missouri. Extreme instability and favorable wind shear ahead of the activity promoted organized and isolated supercell storms.**

### INDIANA, Southwest

<b>SPENCER COUNTY --- 3.0 W EUREKA [37.88, -87.28], 2.5 W EUREKA [37.88, -87.27]</b>				
	06/11/09 16:08 CST		0	Tornado (EF0, L: 0.56 mi , W: 100 yd)
	06/11/09 16:10 CST		3K	Source: NWS Storm Survey

This weak tornado continued from Daviess County, Kentucky across the Ohio River into Spencer County. The tornado remained over agricultural river bottomland, causing damage to corn crops and small tree limbs. Peak winds were estimated near 65 mph on this portion of the track.

**Thunderstorms quickly formed across the Lower Wabash Valley and northwest Kentucky in the vicinity of an eastward moving upper level disturbance. The boundary layer air mass in this region was characterized by temperatures in the lower 80's and dew points in the lower 70's. The combination of a moist low level environment, slightly backed wind flow along a northwest to southeast oriented warm front, and at least 40 knots of deep westerly shear promoted semi-discrete supercells with large hail, damaging winds, and isolated tornadoes.**

### KENTUCKY, Southwest

<b>HENDERSON COUNTY --- 0.6 N CARLINBURG [37.89, -87.32], 0.9 ENE CARLINBURG [37.89, -87.31]</b>				
	06/11/09 16:02 CST		0	Tornado (EF0, L: 0.73 mi , W: 150 yd)
	06/11/09 16:04 CST		0	Source: NWS Storm Survey

One tree and dozens of tree limbs were blown down in a tree row in the center of a very large field. The damage was in agricultural bottomland of the Ohio River. Peak winds in this portion of the track were near 65 mph. The tornado continued into Daviess County.

<b>DAVIESS COUNTY --- 3.9 N NEWMAN [37.89, -87.31], 3.6 NNE NEWMAN [37.88, -87.28]</b>				
	06/11/09 16:04 CST		0	Tornado (EF0, L: 1.69 mi , W: 100 yd)
	06/11/09 16:08 CST		10K	Source: NWS Storm Survey

This weak tornado continued from Henderson County into northwest Daviess County. The tornado remained over agricultural river bottomland. Only some crops were damaged. One-foot high corn was blown down and whipped around by winds estimated around 75 mph. The tornado continued across the Ohio River into Spencer County, Indiana.

## Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DAVISS COUNTY --- 1.8 NE THURSTON [37.82, -87.01], 2.0 NE THURSTON [37.82, -87.01]</b>				
	06/11/09 16:36 CST		0	Tornado (EF0, L: 0.22 mi , W: 30 yd)
	06/11/09 16:37 CST		0	Source: NWS Storm Survey

There were multiple reports of a brief tornado touchdown near the intersection of Highways 405 and 1831. Some tree limbs were down.

**Thunderstorms quickly formed across the Lower Wabash Valley and northwest Kentucky in the vicinity of an eastward moving upper level disturbance. The boundary layer air mass in this region was characterized by temperatures in the lower 80's and dew points in the lower 70's. The combination of a moist low level environment, slightly backed wind flow along a northwest to southeast oriented warm front, and at least 40 knots of deep westerly shear promoted semi-discrete supercells with large hail, damaging winds, and isolated tornadoes.**

<b>LYON COUNTY --- 1.9 NNE EUREKA [37.04, -88.20], 2.1 NE EUREKA [37.04, -88.20]</b>				
	06/16/09 11:28 CST		70K	Tornado (EF1, L: 0.34 mi , W: 90 yd)
	06/16/09 11:29 CST		0	Source: NWS Storm Survey

The tornado touched down along a rural road, not far from the intersection of U.S. Highways 62 and 641. Three barns or farm outbuildings were nearly destroyed. Four 1500-pound hay bales were tossed end over end. Metal debris was thrown into trees at a 90-degree angle to the left of the path. Large hardwood trees and other trees were uprooted. Small limbs were broken out of some trees halfway up. A power pole was pushed over. An eyewitness reported a sudden increase in whirling debris. Peak winds were estimated near 105 mph.

**A bowing line of thunderstorms increased in intensity as it moved east across western Kentucky into an increasingly unstable atmosphere. Damaging surface winds were enhanced by a strong 50-knot rear-inflow jet feeding into the complex.**

<b>TODD COUNTY --- 0.8 W HERMAN [36.73, -87.18], 0.7 WSW HERMAN [36.73, -87.18]</b>				
	06/17/09 18:25 CST		5K	Tornado (EF0, L: 0.19 mi , W: 30 yd)
	06/17/09 18:26 CST		0	Source: Emergency Manager

A small tornado briefly touched down along Highway 181 halfway between the communities of Elkton and Guthrie. Numerous trees were down along Highway 181. The touchdown occurred in wooded areas and open farm fields.

**Thunderstorms developed in the vicinity of a surface front extending westward from central Kentucky into far southern Illinois. The air mass became very unstable in this region, where mixed layer CAPES were from 3000 to 4000. Strengthening deep layer wind shear supported organized severe storms as the activity spread east-southeast.**

## Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KENTUCKY, Southwest</b>				
<b>CALLOWAY COUNTY --- 3.0 NE ALMO [36.73, -88.23], HICO [36.72, -88.22]</b>				
	07/04/09 17:29 CST		3K	Tornado (EF0, L: 0.98 mi , W: 50 yd)
	07/04/09 17:31 CST		10K	Source: NWS Storm Survey
This weak tornado occurred in rural farm country and caused little damage. Several tree limbs and tree tops were blown down. Some field corn was blown over. Peak winds were estimated near 75 mph.				
<b>TRIGG COUNTY --- 4.0 SW GOLDEN POND [36.74, -88.07], 3.5 SW GOLDEN POND [36.74, -88.06]</b>				
	07/04/09 17:39 CST		3K	Tornado (EF0, L: 0.50 mi , W: 50 yd)
	07/04/09 17:40 CST		0	Source: NWS Storm Survey
This brief, weak tornado touched down in the Land Between The Lakes National Recreation Area. Several tree limbs and tree tops were downed. The peak wind was estimated near 70 mph.				
<b>CHRISTIAN COUNTY --- 1.3 SE HERNDON [36.72, -87.55], 1.8 SE HERNDON [36.71, -87.55]</b>				
	07/04/09 18:13 CST		10K	Tornado (EF1, L: 0.50 mi , W: 110 yd)
	07/04/09 18:14 CST		0	Source: NWS Storm Survey

A few dozen trees were uprooted, and numerous large limbs were broken. Minor shingle damage was noted on one home. A small area of corn was flattened. Peak winds were estimated at 95 mph.

Western Kentucky was located in the destabilizing warm sector of a surface low across northern Missouri. Mixed layer CAPE values at or above 1000 j/kg aided thunderstorm intensification as large scale lift was maintained ahead of the surface low. Deep-layer wind shear on the order of 40 to 50 knots contributed to persistent rotating updrafts. A few tornadoes occurred with rotating storms that crossed a warm front draped across southern parts of western Kentucky.

## Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>KENTUCKY, Southwest</b>				
<b>CHRISTIAN COUNTY --- 2.1 NNW GAINSVILLE [36.90, -87.48], 1.6 N GAINSVILLE [36.89, -87.47]</b>				
	08/04/09 17:55 CST		35K	Tornado (EF0, L: 1.03 mi , W: 40 yd)
	08/04/09 17:57 CST	1	0	Source: NWS Storm Survey

This tornado briefly touched down twice within an area of downburst winds. The first brief touchdown, which was eyewitnessed by a trained spotter, began at the intersection of U.S. Highway 41 and the bypass (Kentucky 1682). This tornado travelled just north of the bypass for about one-half mile. Damage included two fiberglass light poles snapped at the base, several trees snapped, and large limbs broken. An additional brief touchdown occurred just east of the Pennyrile Parkway on the south side of the bypass. Damage included a roof torn off a metal storage building, which was blown north back across the highway. One trained spotter was struck by a flying piece of wood and received a badly bruised shoulder which required hospital treatment. Peak winds were estimated near 80 mph.

**An organized complex of thunderstorms developed ahead of a cold front as it approached southern Illinois and southeast Missouri during the hottest and most unstable time of day. Very strong instability, coupled with moderately strong mid-level winds, resulted in numerous damaging wind events. Most of the damaging winds were associated with small-scale bows that raced southeast ahead of the main storm complex.**